

Structural soffit floors

Typical U-values

Using RocksilK® Soffit Linerboard Standard in a structural soffit floor

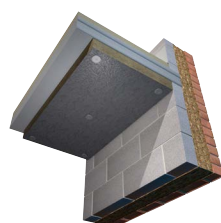
Thickness (mm)	U-value (W/m ² K)	
	Reinforced Concrete (RC) Floor Slab 150 - 300mm 2.500 (W/mK)	Precast plank 150mm 1.300 (W/mK)
295 (220+75)	0.12	0.12
270 (220+50)	0.13	0.13
220	0.15	0.15
185	0.18	0.18
160	0.21	0.20
130	0.25	0.25

Note: Calculated with 50mm Screed finish k=1.150 and 1 steel fixing per slab.

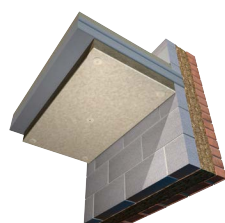
Using RocksilK® Soffit Linerboard Extra in a structural soffit floor

Thickness (mm)	U-value (W/m ² K)	
	Reinforced Concrete (RC) Floor Slab 150 - 300mm 2.500 (W/mK)	Precast plank 150mm 1.300 (W/mK)
295 (220/6**+**75)	0.12	0.12
270 (220/6**+**50)	0.13	0.13
220/6*	0.15	0.15
185/6*	0.18	0.18
160/6*	0.21	0.20
130/6*	0.25	0.24

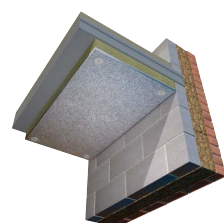
Note: Calculated with 50mm Screed finish k=1.150 and 1 steel fixing per slab. Thermal conductivity of facing board = 0.240 W/mK. * The / 6 is for the cement fibre flat sheet **denotes standard product.



RocksilK® Soffit Linerboard



RocksilK® Soffit Linerboard Extra



Heraklith® Tektalan A2 SmartTec

Using Heraklith® Tektalan A2 SmartTec to a structural soffit Floor

Thickness (mm)	U-value (W/m ² K)		
	2 fixings: 3.33m ² . 26.0mm ² K=51.9	4 fixings: 6.67m ² . 26.0mm ² K=51.9	5 fixings (Fire Rated) 8.33m ² , 26.0mm ² K=51.9
225	0.16	-	0.18
200	0.18	-	0.21
175	0.21	-	0.24
150	0.24	-	0.27
125	0.29	-	0.32
100	0.36	-	0.40
75	-	0.50	0.52
50	-	0.72	0.74

Note: Calculated with 50mm Screed finish K=1.150 & 150mm reinforced concrete 2% Steel K=2.500 (BS12524)

Build on us.